

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN International \*\*\*\*\*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JAN 02	STN pricing information for 2008 now available
NEWS	3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	5	JAN 28	MARPAT searching enhanced
NEWS	6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	8	JAN 28	MEDLINE and LMEEDLINE reloaded with enhancements
NEWS	9	FEB 08	STN Express, Version 8.3, now available
NEWS	10	FEB 20	PCI now available as a replacement to DPCI
NEWS	11	FEB 25	IFIREF reloaded with enhancements
NEWS	12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS	14	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS	15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS	16	MAR 31	CA/Caplus and CASREACT patent number format for U.S. applications updated
NEWS	17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS	18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS	20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS	21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS	22	APR 28	IMSRESEARCH reloaded with enhancements
NEWS	23	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS	24	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS	25	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS	26	JUN 06	KOREAPAT updated with 41,000 documents
NEWS	27	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS	28	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS	29	JUN 25	CA/Caplus and USPAT databases updated with IPC reclassification data
NEWS	30	JUN 30	AEROSPACE enhanced with more than 1 million U.S. patent records
NEWS	31	JUN 30	EMBASE, EMBAL, and LEMBASE updated with additional options to display authors and affiliated



Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

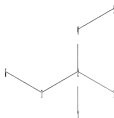
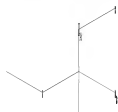
PASSWORD:

\*\*\*\*\* RECONNECTED TO STN INTERNATIONAL \*\*\*\*\*  
SESSION RESUMED IN FILE 'REGISTRY' AT 11:06:57 ON 09 JUL 2008  
FILE 'REGISTRY' ENTERED AT 11:06:57 ON 09 JUL 2008  
COPYRIGHT (C) 2008 American Chemical Society (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.46	0.67

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10507221\10507221 core structure.str



chain nodes :  
1 2 3 4 5 6 7  
chain bonds :  
1-2 1-6 2-3 2-4 2-7 4-5  
exact/norm bonds :  
1-2 1-6  
exact bonds :  
2-3 2-4 2-7 4-5

Hydrogen count :

4:>= minimum 2

Match level :

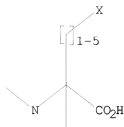
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam

SAMPLE SEARCH INITIATED 11:07:35 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 125 TO ITERATE

100.0% PROCESSED 125 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 1830 TO 3170

PROJECTED ANSWERS: 2 TO 124

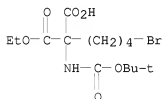
L2 2 SEA SSS SAM L1

=> d scan

L2 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN Propanedioic acid, 2-(4-bromobutyl)-2-[[[(1,1-dimethylethoxy)carbonyl]amino]-, 1-ethyl ester

MF C14 H24 Br N O6



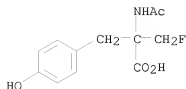
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN Tyrosine, N-acetyl- $\alpha$ -(fluoromethyl)-

MF C12 H14 F N O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

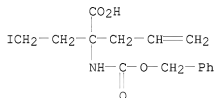
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100.0% PROCESSED 2033 ITERATIONS 27 ANSWERS  
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L3 27 SEA SSS FUL L1

=> d scan

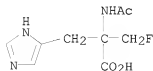
L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 4-Pentenoic acid, 2-(2-iodoethyl)-2-[[ (phenylmethoxy)carbonyl]amino]-  
 MF C15 H18 I N O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

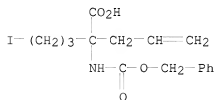
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):27

L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Histidine, N-acetyl- $\alpha$ -(fluoromethyl)- (9CI)  
 MF C9 H12 F N3 O3



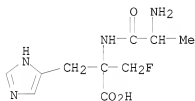
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L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 4-Pentenoic acid, 2-(3-iodopropyl)-2-[[ (phenylmethoxy)carbonyl]amino]-  
 MF C16 H20 I N O4



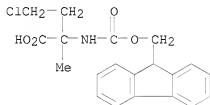
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 IN Histidine, N-L-alanyl- $\alpha$ -(fluoromethyl)- (9CI)  
 MF C10 H15 F N4 O3



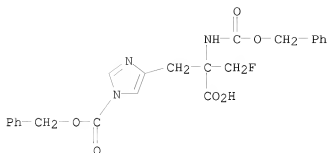
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 IN Isovaline, 4-chloro-N-[(9H-fluoren-9-ylmethoxy)carbonyl]-  
 MF C20 H20 Cl N O4



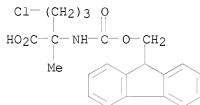
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Histidine,  $\alpha$ -(fluoromethyl)-N,1-bis[(phenylmethoxy)carbonyl]- (9CI)  
 MF C23 H22 F N3 O6



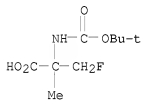
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Norvaline, 5-chloro-N-[(9H-fluoren-9-ylmethoxy)carbonyl]-2-methyl-  
 MF C21 H22 Cl N O4



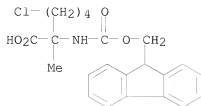
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Alanine, N-[(1,1-dimethylethoxy)carbonyl]-3-fluoro-2-methyl-  
 MF C9 H16 F N O4



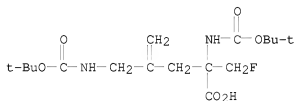
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Norleucine, 6-chloro-N-[(9H-fluoren-9-ylmethoxy)carbonyl]-2-methyl-  
 MF C22 H24 Cl N O4



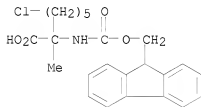
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L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 4-Pentenoic acid, 2-[[[(1,1-dimethylethoxy)carbonyl]amino]-4-[[[(1,1-dimethylethoxy)carbonyl]amino)methyl]-2-(fluoromethyl)-  
 MF C17 H29 F N2 O6



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

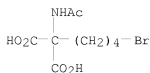
L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Heptanoic acid, 7-chloro-2-[[[(9H-fluoren-9-ylmethoxy)carbonyl]amino]-2-methyl-  
 MF C23 H26 Cl N O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Malonic acid, acetamido(4-bromobutyl)- (7CI)  
 MF C9 H14 Br N O5  
 CI COM

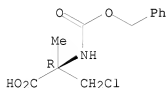




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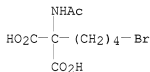
L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN L-Alanine, 3-chloro-2-methyl-N-[(phenylmethoxy)carbonyl]-  
 MF C12 H14 Cl N O4

Absolute stereochemistry.



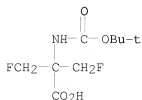
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Malonic acid, acetamido(4-bromobutyl)-, dihydrochloride (7CI)  
 MF C9 H14 Br N O5 . 2 Cl H



● 2 HCl

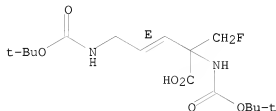
L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Alanine, N-[(1,1-dimethylethoxy)carbonyl]-3-fluoro-2-(fluoromethyl)-  
 MF C9 H15 F2 N O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

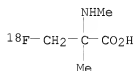
L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN 3-Pentenoic acid, 2,5-bis[[[1,1-dimethylethoxy)carbonyl]amino]-2-(fluoromethyl)-, (E)- (9CI)  
 MF C16 H27 F N2 O6

Double bond geometry as shown.

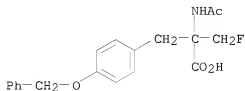


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Alanine, 3-(fluoro-18F)-N,2-dimethyl- (9CI)  
 MF C5 H10 F N O2

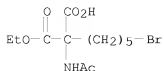


L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Tyrosine, N-acetyl-α-(fluoromethyl)-O-(phenylmethyl)-  
 MF C19 H20 F N O4



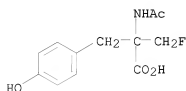
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Propanedioic acid, 2-(acetylamino)-2-(5-bromopentyl)-, 1-ethyl ester  
 MF C12 H20 Br N O5



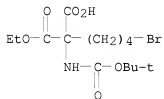
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Tyrosine, N-acetyl- $\alpha$ -(fluoromethyl)-  
 MF C12 H14 F N O4



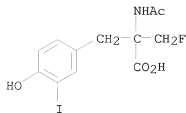
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Propanedioic acid, 2-(4-bromobutyl)-2-[[[(1,1-dimethylethoxy)carbonyl]amino  
 ]-, 1-ethyl ester  
 MF C14 H24 Br N O6



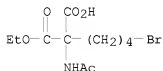
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

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 IN Tyrosine, N-acetyl- $\alpha$ -(fluoromethyl)-3-iodo-  
 MF C12 H13 F I N O4



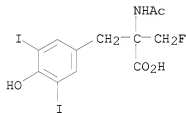
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Propanedioic acid, 2-(acetylamino)-2-(4-bromobutyl)-, 1-ethyl ester  
 MF C11 H18 Br N O5



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

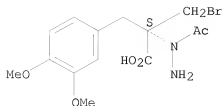
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 IN Tyrosine, N-acetyl- $\alpha$ -(fluoromethyl)-3,5-diiodo-  
 MF C12 H12 F I2 N O4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

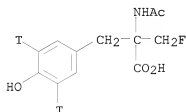
L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Benzenepropanoic acid,  $\alpha$ -(1-acetylhydrazino)- $\alpha$ -(bromomethyl)-  
 3,4-dimethoxy-, (S)- (9CI)  
 MF C14 H19 Br N2 O5

Absolute stereochemistry.

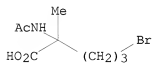


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Benzene-3,5-t2-propanoic acid,  $\alpha$ -(acetylamino)- $\alpha$ -  
 (fluoromethyl)-4-hydroxy- (9CI)  
 MF C12 H12 F N O4 T2



L3 27 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Norvaline, N-acetyl-5-bromo-2-methyl-  
 MF C8 H14 Br N O3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

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E2      1      ALANINE, 3-(FLUORO-18F)-2-METHYL-/CN
E3      1 --> ALANINE, 3-(FLUORO-18F)-N,2-DIMETHYL-/CN
E4      1      ALANINE, 3-(FLUORO-18F)-N,2-DIMETHYL-, 1,1-DIMETHYLETHYL EST
            ER/CN
E5      1      ALANINE, 3-(FORMYL (PHENYLMETHOXY) AMINO)-N-((PHENYLMETHOXY)CA
            RBONYL)-/CN
E6      1      ALANINE, 3-(HEPTYLAMINO)-/CN
E7      1      ALANINE, 3-(HEPTYLTIO)-, L-/CN
E8      1      ALANINE, 3-(HEXYLAMINO)-/CN
E9      1      ALANINE, 3-(HEXYLDITHIO)-, DL-/CN
E10     1      ALANINE, 3-(HEXYLTIO)-/CN
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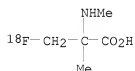
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E12 1 ALANINE, 3-(HYDROXY(1-((PHENYLMETHOXY)CARBONYL)AMINO)ETHYL)  
PHOSPHINYL)-, METHYL ESTER/CN

=> e3

L4 1 "ALANINE, 3-(FLUORO-18F)-N,2-DIMETHYL-"/CN

=> d 14

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 620988-84-3 REGISTRY  
ED Entered STN: 27 Nov 2003  
CN Alanine, 3-(fluoro-18F)-N,2-dimethyl- (9CI) (CA INDEX NAME)  
MF C5 H10 F N O2  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	188.27	188.48

FILE 'CAPLUS' ENTERED AT 11:10:51 ON 09 JUL 2008  
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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FILE COVERS 1907 - 9 Jul 2008 VOL 149 ISS 2  
FILE LAST UPDATED: 8 Jul 2008 (20080708/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> 14

L5

2 L4

=&gt; d 15 1-2 ti fbib abs

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN

TI Tumor imaging compounds

AN 2003:892878 CAPLUS

DN 139:361004

TI Tumor imaging compounds

IN Goodman, Mark M.; McConathy, Jonathan

PA Emory University, USA

SO PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003093412	A2	20031113	WO 2003-US12748	20030424
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				WO 2003-US12748	W 20030424
	EP 1499584	A2	20050126	EP 2003-747599	20030424
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
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OS MARPAT 139:361004

AB The invention provides novel amino acid compds. of use in detecting and evaluating brain and body tumors. These compds. combine the advantageous

properties of  $\alpha$ -aminoisobutyric acid (AIB) analogs namely, their rapid uptake and prolonged retention in tumors with the properties of halogen substituents, including certain useful halogen isotopes such as fluorine-18, iodine-123, iodine-124, iodine-125, iodine-131, bromine-75, bromine-76, bromine-77, bromine-82, astatine-210, astatine-211, and other astatine isotopes. In addition the compds. can be labeled with technetium and rhenium isotopes using known chelation complexes. The amino acid compds. disclosed herein have a high specificity for target sites when administered to a subject in vivo. The invention further features pharmaceutical compns. comprised of an  $\alpha$ -amino acid moiety attached to either a four, five or a six member carbon-chain ring. The labeled amino acid compds. are useful as imaging agents in detecting and/or monitoring tumors in a subject by Positron Emission Tomog. (PET) and Single Photon Emission Computer Tomog. (SPECT).

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS ON STN  
 TI Synthesis and evaluation of 2-amino-4-[18F]fluoro-2-methylbutanoic acid (FAMB): relationship of amino acid transport to tumor imaging properties of branched fluorinated amino acids  
 AN 2003:486209 CAPLUS  
 DN 140:213031  
 TI Synthesis and evaluation of 2-amino-4-[18F]fluoro-2-methylbutanoic acid (FAMB): relationship of amino acid transport to tumor imaging properties of branched fluorinated amino acids  
 AU McConathy, Jonathan; Martarello, Laurent; Malveaux, Eugene J.; Camp, Vernon M.; Simpson, Nicholas E.; Simpson, Chiab P.; Bowers, Geoffrey D.; Zhang, Zhaobin; Olson, Jeffrey J.; Goodman, Mark M.  
 CS Department of Radiology, Emory University, Atlanta, GA, 30322, USA  
 SO Nuclear Medicine and Biology (2003), 30(5), 477-490  
 CODEN: NMBIEO; ISSN: 0969-8051  
 PB Elsevier Science Inc.  
 DT Journal  
 LA English  
 AB Radiolabeled amino acids represent a promising class of tumor imaging agents, and the determination of the optimal characteristics of these tracers remains an area of active investigation. A new 18F-labeled branched amino acid, 2-amino-4-[18F]fluoro-2-methylbutanoic acid (FAMB), has been prepared in 36% decay-corrected yield using no-carrier-added [18F]fluoride. In vitro uptake assays with rat 9L gliosarcoma cells suggest that [18F]FAMB was transported primarily via the L type amino acid transport system. In vivo studies with [18F]FAMB demonstrated tumor to normal brain ratios of 14:1 in rats with intracranial 9L gliosarcoma tumors at 60 min after injection. Comparison of [18F]FAMB with structurally related 18F-labeled branched amino acids demonstrated that A type transport in vitro was pos. correlated with the tumor to brain ratios observed in vivo.  
 RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

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